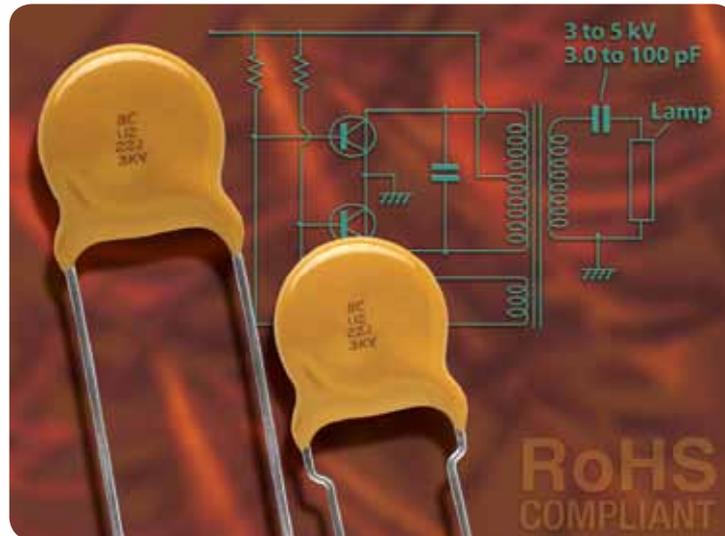


High-Voltage 3 kV Series



KEY BENEFITS

- Complies with IEC 60384-8
- High reliability
- Compliant to RoHS Directive 2011/65/EU, and REACH Regulation EC 1907/2006
- Kinked (preferred) or straight leads
- Gold-colored epoxy resin coating, flammable-resistant according to UL 94 V-0
- Small size
- Capacitance range: 2 pF to 220 pF
- Rated voltage: 3 kV_{DC}
- Operating temperature: - 55 °C to + 125 °C
- Dielectric strength: 150 % of V_{rated} + 500 V_{DC} (5 kV)

APPLICATIONS

- High voltage DC applications
- High voltage pulse applications
- LCD backlight inverters

RESOURCES

- Datasheet: S Series - <http://www.vishay.com/doc?28541>
- For technical questions contact CDC@vishay.com





SINGLE-LAYER DISC CAPACITORS

S Series

Ceramic Disc Capacitors
Class 1, 3 kV_{DC}

QUICK REFERENCE DATA	
DESCRIPTION	CLASS 1 (C0G)
Voltage (V _{DC})	3000
Min. Capacitance (pF)	2
Max. Capacitance (pF)	220
Mounting	Through hole

RoHS
COMPLIANT

ORDERING INFORMATION 3 kV _{DC} , KINKED					
C (pF)	TOL. (%)	D _{MAX.} (mm)	LEAD SPACING (mm)	SH/DR _{MAX.} ⁽¹⁾ (mm)	CLEAR TEXT CODE
					13 TH DIGIT: T = REEL; U = AMMO; 3 = BULK
CLASS 1 C0G					
2	± 0.25	6.5	7.5	4.0	S209C25C0KR6.K7R
3					S309C25C0JR6.K7R
4.9	± 0.50				S499D25C0HR6.K7R
10	± 5				S100J25U2JR6.K7R
15					S150J25U2JR6.K7R
22					S220J25U2MR6.K7R
33		S330J25U2MR6.K7R			
47		7.5	S470J29U2MR6.K7R		
68		8	S680J31U2MR6.K7R		
100		9	S101J35U2MR6.K7R		
120		10	S121J39U2MR6.K7R		
150		10.5	S151J41U2MR6.K7R		
180		12.5	S181J49U2MR6.K7R		
220	S221J49U2MR6.K7R				

Notes

⁽¹⁾ SH = Seated height

- Maximum thickness 5.0 mm
- Refer to outward kinked leads. Other styles available on request (straight or inline kinked leads).

PACKAGING						
PACKAGING TYPE	SIZE CODE	LEAD SPACE (mm)	VOLTAGE (V _{DC})	SPQ	BOX DIMENSIONS L x W x H	
Bulk (long lead L ≥ 25.4 mm)	20 to 47	≥ 7.5	3 kV	1000	245 x 120 x 65	
				1000		
	1000					
	500					
Tape and reel	≤ 47			250	1000	370 x 370 x 60
	≤ 47			1500	360 x 330 x 55	

Note

- The capacitors are supplied in bulk packaging (cardboard boxes), in tape on reel or in ammpack

Capacitors - High Reliability

Revision 07-Jan-10